
Task Index

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Managing the System

The following groups of commands are important for managing various aspects of the system.

Installing and Maintaining Programs

cvid	272	Creates a VRM install diskette for backup purposes.
install	524	Installs a command.
installp	529	Installs a licensed program.
make	625	Maintains up-to-date versions of programs.
mdrc	640	Allows you to reinstall a user-created minidisk after you have reinstalled AIX.
ndtable	685	Accesses the Distributed Services Node Table.
pwtable	801	Accesses the Distributed Services Node Security Table.
updatep	1122	Updates one or more programs.

Configuring the System

bffcreate	108	Creates files in backup format for complete or subset programs in a code service environment.
biodd_cfg	115	Configures the block I/O AIX device driver.
chkcomp	158	Checks compatibility between a code server and an active-service client.
chnstate	164	Changes the state of a code service client to either active-service or stand-alone.
chparm	171	Changes or examines system parameters.
config	194	Extracts configuration information from configuration files.
devices	315	Adds, deletes, changes, and displays device information.
defkey	306	Defines keyboard key assignments.
display	332	Selects the physical display that an existing or new virtual terminal uses and sets colors and fonts.
dsipc	354	Installs the Interprocess Communication key mapping in the kernel.
dsldxprof	355	Loads translate information into the UID/GID translate profiles.
dsxlate	363	Installs Distributed Services UID/GID translate tables into the kernel.
env	393	Sets the environment for execution of a command.
getty	490	Sets the characteristics of ports.
init	521	Initializes the system.
ipctable	544	Creates, displays, or changes the Distributed Services IPC Queues Table.
keyboard	551	Controls the delay and repetition rates of the keyboard.
locator	583	Controls the sample rate of the locator.
minidisks	650	Adds, deletes, changes, and displays minidisks.

mknod	661	Creates a special file.
pdisable,	741	Kills the logger running on the specified port.
phold		
pstart,	791	Enables or reports the availability of login ports.
penable,		
pshare,		
pdelay		
rc	806	Performs normal startup initialization.
setdma	910	Sets the DMA channel of the specified adapter.
sound	967	Controls the volume and click of the keyboard speaker.
splp	975	Changes or displays printer driver settings.
stty	1018	Sets, resets, or reports work station operating parameters.
termdef	1062	Queries terminal characteristics.
trdiag	1097	Starts diagnostics on the Token-Ring Network.
ugtable	1109	Creates, displays, and changes the Distributed Services Network Users/Groups Table.
users,	1129	Adds, deletes, and changes user and group information.
adduser		
varyon	1180	Makes an external disk drive and any minidisks or file systems defined on it available for use.
varyoff	1177	Removes an external disk drive from the operating system configuration.
verify	1186	Turns write verification on or off for a particular minidisk.
vrconfig	1206	Installs peripheral devices.

Backing Up and Restoring System Files

backup	88	Backs up files.
pack	730	Compresses files.
restore	826	Copies back files created by the backup command.
tapechk	1047	Performs consistency checking of the streaming tape device.
tar	1048	Manipulates archives.
tctl	1058	Gives commands to streaming tape.

Managing File Systems

basename	95	Returns the base name of a string parameter.
chroot	172	Changes the root directory of a command.
clri	175	Clears the specified i-node.
cpio	205	Copies files into and out of archive storage and directories.
crash	215	Examines system images.

dcopy	299	Copies file systems for the best access time.
devnm	316	Names a device.
df	318	Reports number of available disk blocks.
env	393	Sets the environment for execution of a command.
ff	417	Lists the file names and statistics for a file system.
fsck	445	Checks file system consistency and interactively repairs the file system.
fsdb	450	Debugs file systems.
istat	545	Examines i-nodes.
link	575	Performs a link or unlink system call.
mkfs	658	Makes a file system.
mknod	661	Creates a special file.
mount	669	Makes a file system available for use.
ncheck	683	Generates path names from i-numbers.
proto	780	Constructs a prototype file for a file system.
setmnt	911	Creates mount table.
skulker	951	Cleans up file systems by removing unwanted files.
sync	1030	Updates the superblock and writes buffered files to the fixed disk.
umount, unmount	1112	Unmounts a previously mounted file system, directory, or file.
varyon	1180	Makes an external disk drive and any minidisks or file systems defined on it available for use.
varyoff	1177	Removes an external disk drive from the operating system configuration.

Analyzing System Activity

du	364	Summarizes disk usage.
dumpfmt	368	Formats the VRM dump file.
errdead	397	Extracts error records from dump.
errdemon	398	Starts the error-logging daemon.
errpt	400	Processes a report of logged errors.
errstop	404	Terminates the error-logging daemon.
errupdate	405	Updates an error report template.
fuser	455	Identifies processes using a file or file structure.
profiler	775	Profiles the operating system.
time	1068	Times the execution of a command.
trace	1086	Starts the trace function.
trcrpt	1091	Formats a report from the trace log file.
trcstop	1093	Stops the trace function.
trcupdate	1094	Updates trace format templates.

Performing System Accounting Functions

acct/*	13	Provides accounting shell procedures.
acctcms	18	Produces command usage summaries from accounting records.
acctcom	20	Displays selected process accounting record summaries.
acctcon	24	Performs connect-time accounting.
acctdisk,	26	Performs disk-usage accounting.
acctdusg		
acctmerg	28	Merges total accounting files.
acctprc	30	Performs process accounting.
diskusg	330	Generates disk accounting data by user ID.
fwtmp	457	Manipulates connect accounting records.
runacct	848	Runs daily accounting.
sadc	863	Provides a system activity report package.

Controlling System Security

The following groups of commands are important to ensure the security of the system.

Managing System Auditing

audit	67	Controls system auditing.
auditapp	69	Adds an audit bin file to the end of the audit trail file.
auditbin	71	Manages bins of audit information.
auditpr	73	Displays audit trail files.
auditselect	76	Selects audit records.
auditstream	78	Creates a channel for the reading of audit records.
auditwrite	80	Generates an audit record at the command level.

Managing the Secure System

init	521	Initializes the system.
login	584	Allows you to sign on to the system and performs user identification and authentication.
loginx	587	Sets up a user's execution environment.
passwd	735	Changes login password.
print	767	Enqueues a file.
secure	885	Establishes a more secure system configuration
shell	938	Executes a shell in a user's login environment.

sysck	1031	Verifies the secure system state.
tsh	1100	Interprets commands in a trusted shell.
tvi	1108	Acts as trusted editor for system administration.
watch	1209	Observes and reports security-relevant actions on the system.

Managing the Trusted Path

actman	32	Permits interaction with multiple virtual terminals.
getty	490	Sets the characteristics of ports.
init	521	Initializes the system.
login	584	Allows you to sign on to the system and performs user identification and authentication.
loginx	587	Sets up a user's execution environment.
logout	590	Stops all processes on a port, returning it to a dead state.
shell	938	Executes a shell in a user's login environment.
tsh	1100	Interprets commands in a trusted shell.
tvi	1108	Acts as trusted editor for system administration

Managing Access Permissions and Ownerships

chgrp	156	Changes the group ownership of a file or directory.
chmod	160	Changes permission codes.
chown	169	Changes the owner of files or directories.
chtcb	174	Sets or queries the tcb attribute of a file.
groups	506	Displays your group membership.
id	517	Displays the system identity of the user issuing the command.
logname	589	Displays your login name.
login	584	Allows you to sign on to the system and performs user identification and authentication.
makekey	634	Generates an encryption key.
newgrp	689	Changes your primary group identification.
passwd	735	Changes login password.
pwck	798	Checks the password and group files for inconsistencies.
su	1026	Obtains the privileges of another user, including superuser authority.
umask	1110	Displays and sets file-creation permission code mask.
users, adduser	1129	Adds, deletes, and changes user and group information.

Using the System

The following groups of commands help you use the various functions of the system.

Starting and Stopping the System

actman	32	Permits interaction with multiple virtual terminals.
login	584	Allows you to sign on to the system and performs user identification and authentication.
open	728	Opens a virtual terminal.
passwd	735	Changes login password.
shutdown	946	Ends system operation.

Using Shells and Interfaces

actman	32	Permits interaction with multiple virtual terminals.
csch	225	Interprets commands read from a file or entered from the keyboard.
dos	341	Starts shell .
sh	913	Interprets commands read from a file or entered at the keyboard.
tsh	1100	Interprets commands in a trusted shell.

Displaying System Statistics and Information

date	281	Displays or sets the date.
devices	315	Adds, deletes, changes, and displays device information.
diskusg	330	Generates disk accounting data by user ID.
dsstate	361	Sets the state of the Distributed Services kernel logic.
errpt	400	Processes a report of logged errors.
errupdate	405	Updates an error report template.
file	420	Determines file type.
fptype	444	Displays the floating point configuration of the system.
fuser	455	Identifies processes using a file or file structure.
groups	506	Displays your group membership.
help	513	Provides information about a Source Code Control System (SCCS) message or command or about certain non-SCCS commands.
id	517	Displays the system identity of the user issuing the command.
ipcs	539	Reports interprocess communication facility status.
ipctable	544	Creates, displays, or changes the Distributed Services IPC Queues Table.
istat	545	Examines i-nodes.

logname	589	Displays your login name.
man	635	Displays manual entries online.
minidisks	650	Adds, deletes, changes, and displays minidisks.
ncheck	683	Generates path names from i-numbers.
ndtable	685	Accesses the Distributed Services Node Table.
news	691	Writes system news items to standard output.
od	723	Writes the contents of storage to the standard output.
profiler	775	Profiles the operating system.
PostScript	786	Reports process status.
pstart, penable, pshare, pdelay	791	Enables or reports the availability of login ports.
pwck	798	Checks the password and group files for inconsistencies.
pwd	800	Displays the path name of the working directory.
pwtable	801	Accesses the Distributed Services Node Security Table.
rstatd	847	Returns NFS performance statistics from the kernel.
rup	854	Displays the host status of local machines.
rusers	856	Identifies users logged in on network hosts.
sact	862	Displays current Source Code Control System (SCCS) file editing status.
sadc	863	Provides a system activity report package.
sag	865	Displays a graph of system activity.
sar	867	Collects, reports, or saves system activity information.
splp	975	Changes or displays printer driver settings.
stty	1018	Sets, resets, or reports work station operating parameters.
sum	1029	Displays the checksum and block count of a file.
time	1068	Times the execution of a command.
timex	1069	Times a command, and reports process data and system activity.
tty	1105	Writes to standard output the full path name of your work station.
ugtable	1109	Creates, displays, and changes the Distributed Services Network Users/Groups Table.
uname	1114	Displays the name of the current operating system.
uustat	1158	Reports the status of and provides rudimentary job control for BNU commands.
who	1219	Identifies the users currently logged in.

Controlling System Processes

at	63	Runs commands at a later time.
cron	220	Runs commands automatically.
crontab	222	Submits a schedule of commands to cron .

errdemon	398	Starts the error-logging daemon.
errstop	404	Terminates the error-logging daemon.
kill	552	Sends a signal to a running process.
killall	555	Cancels all processes except the calling process.
nice	699	Runs a command at a different priority.
nohup	707	Runs a command without hangups and quits.
open	728	Opens a virtual terminal.
qdaemon	802	Schedules jobs enqueued by the print command.
sleep	952	Suspends execution for an interval.
syslogd	1037	Reads and logs messages.
tlog	1071	Stops or restarts sending of terminal I/O to a daemon.
tlogger	1072	Gathers I/O from a terminal and writes it to a log file.
writesrv	1230	Allows Distributed Services users to send messages to and receive messages from a remote system.

Using Disks and Diskettes

format	436	Formats diskettes.
mdrc	640	Allows you to reinstall a user-created minidisk after you have reinstalled AIX.
minidisks	650	Adds, deletes, changes, and displays minidisks.
mount	669	Makes a file system available for use.
umount, unmount	1112	Unmounts a previously mounted file system, directory, or file.
varyon	1180	Makes an external disk drive and any minidisks or file systems defined on it available for use.
varyoff	1177	Removes an external disk drive from the operating system configuration.
verify	1186	Turns write verification on or off for a particular minidisk.

Using Tape

tapechk	1047	Performs consistency checking of the streaming tape device.
tar	1048	Manipulates archives.
tctl	1058	Gives commands to streaming tape.

Working with Work Stations

defkey	306	Defines keyboard key assignments.
display	332	Selects the physical display that an existing or new virtual terminal uses and sets colors and fonts.

echo	369	Writes its arguments to standard output.
hp	514	Handles special functions for the HP2640- and HP2621-series terminals.
keyboard	551	Controls the delay and repetition rates of the keyboard.
locator	583	Controls the sample rate of the locator.
pdisable,	741	Kills the logger running on the specified port.
phold		
pstart,	791	Enables or reports the availability of login ports.
penable,		
pshare,		
pdelay		
stty	1018	Sets, resets, or reports work station operating parameters.
tabs	1041	Sets tab stops on work stations.
termdef	1062	Queries terminal characteristics.
tic	1067	Translates terminfo files from source to compiled format.
tput	1081	Queries the terminfo file.
tty	1105	Writes to standard output the full path name of your work station.
300	1262	Handles special line-motion functions for DASI 300/300s work stations.
4014	1264	Formats a full page 66-line screen display for a Tektronix 4014 work station.
450	1265	Handles special line-motion functions for the DASI 450 work station.

Working with Files and Directories

The following groups of commands allow you to create and manipulate files and directories.

Working with Directories

cd	150	Changes the current directory.
chroot	172	Changes the root directory of a command.
dircmp	328	Compares two directories and the contents of their common files.
dosdir	346	Lists the directory for DOS files.
find	422	Finds files matching expression.
li	567	Lists the contents of a directory.
ls	595	Displays the contents of a directory.
mkdir	657	Makes a directory.
mvdir	682	Moves (renames) a directory.
pwd	800	Displays the path name of the working directory.
rm	833	Removes files or directories.
rmdir	838	Removes a directory.

Creating and Editing Files

admin	41	Creates and initializes SCCS files.
cdc	152	Changes the comments in a Source Code Control System (SCCS) delta.
ed	371	Edits text by line.
edit	387	Provides a simple line editor for the new user.
ex	407	Edits lines interactively, with screen display.
get	477	Creates a specified version of a Source Code Control System (SCCS) file.
mknod	661	Creates a special file.
sed	887	Provides a stream editor.
spell	969	Finds spelling errors.
tab	1040	Changes spaces into tabs or tabs into spaces.
uniq	1118	Deletes repeated lines in a file.
vi	1187	Edits files with a full screen display.

Printing and Displaying Files

cat	137	Concatenates or displays files.
cut	269	Writes out selected fields from each line of a file.
lp	593	Prints a file in a format suitable for sending to a line printer.
nl	701	Numbers lines in a file.
od	723	Writes the contents of storage to the standard output.
pg	744	Formats files to the work station.
piobe	753	Writes a file to standard output in a format suitable for sending to a line printer.
pr	761	Writes a file to standard output.
prs	781	Displays a Source Code Control System (SCCS) file.
print	767	Enqueues a file.
qdaemon	802	Schedules jobs enqueued by the print command.
splp	975	Changes or displays printer driver settings.
tail	1044	Writes a file to standard output, beginning at a specified point.
vc	1182	Substitutes assigned values in place of keywords.

Copying and Moving Files

cat	137	Concatenates or displays files.
cp	202	Copies files.
Cvt	274	Moves old UUCP files into new BNU directories.
dd	301	Converts and copies a file.
dosread	348	Copies a DOS file.

doswrite	350	Copies AIX files to DOS files.
ln	581	Links files.
mv	679	Moves files.
uucp	1144	Copies files from one AIX system to another AIX system.
uuto	1162	Copies public files from one AIX system to another AIX system, with local system control of file access.

Deleting Files

del	308	Deletes files if the request is confirmed.
dosdel	345	Deletes DOS files.
rm	833	Removes files or directories.
uniq	1118	Deletes repeated lines in a file.
uucleanup	1141	Deletes selected files older than a specified number of hours from the BNU spool directory or a named directory.

Comparing Files

bdiff	102	Uses diff to find differences in very large files.
cmp	177	Compares two files.
comm	183	Selects or rejects lines common to two sorted files.
diff	320	Compares text files.
diff3	323	Compares three files.
diffmk	326	Marks differences between files.
dircmp	328	Compares two directories and the contents of their common files.
sdiff	883	Compares two files and displays the differences in a side by side format.
sccsdiff	874	Compares two versions of a Source Code Control System (SCCS) file.

Scanning Files

awk	81	Finds lines in files matching specified patterns and performs specified actions on them.
bfs	110	Scans files.
file	420	Determines file type.
find	422	Finds files matching expression.
grep	501	Searches a file for a pattern.
hyphen	516	Finds hyphenated words.
wc	1211	Counts the number of lines, words, and characters in a file.
what	1213	Displays identifying information in files.

Sorting Files

lorder	591	Finds the best order for member files in an object library.
sort	958	Sorts or merges files.
tsort	1102	Sorts an unordered list of ordered pairs (a topological sort).

Merging and Splitting Files

csplit	252	Splits files by context.
join	547	Joins data fields of two files.
paste	736	Merges the lines of several files or subsequent lines in one file.
sort	958	Sorts or merges files.
split	974	Splits a file into pieces.

Working with Remote Files

biod	114	Starts daemons that handle NFS block I/O requests.
domainname	340	Displays or sets YP domain name.
makedbm	632	Makes a Yellow Pages dbm map.
mountd	674	Answers NFS mount requests.
nfsd	696	Starts NFS client request daemons.
nfsstat	697	Displays NFS statistics.
on	726	Executes a command remotely via NFS.
pcnfs	739	Serves PC-NFS client requests.
portmap	757	Maps RPC programs to the servicing ports on RPC servers.
rex	832	Executes remote programs.
rpcgen	843	Compiles a Remote Procedure Call program.
rpcinfo	845	Reports Remote Procedure Call status information.
rstatd	847	Returns NFS performance statistics from the kernel.
rup	854	Displays the host status of local machines.
rusers	856	Identifies users logged in on network hosts.
rusersd	858	Displays list of active NFS users.
rwall	859	Writes to all network users.
rwalld	861	NFS daemon for rwall and shutdown .
showmount	945	Displays list of remotely mounted file systems.
spray	981	Sprays packets to host when NFS is installed.
sprayd	983	Receives packets sent by the spray command.
ypbind	1239	Allows Yellow Pages client processes to communicate with the YP server.
ypcat	1241	Displays values in a Yellow Pages data base.
ypinit	1243	Builds and installs the Yellow Pages data base.

ypmatch	1245	Displays the values of one or more keys from a Yellow Pages map.
yppasswd	1247	Changes Yellow Pages passwords
yppasswd	1249	Handles Yellow Pages password change requests
yppoll	1251	Displays the version of a Yellow Pages map located at a Yellow Pages host.
yppush	1252	yppush .
ypserv	1256	Looks up information in a local Yellow Pages data base.
ypset	1254	Directs the ypbind daemon to a particular server.
ypwhich	1258	Displays the name of the host machine acting as the Yellow Pages server or as a map YP master server.
ypxfr	1260	Transfers a Yellow Pages map to the local host machine.

Formatting Text

col	179	Processes text having reverse linefeeds and forward/reverse half-linefeeds for output to standard output.
cw	275	Prepares constant-width text for troff .
deroff	313	Removes nroff , troff , tbl , and eqn constructs from files.
eqn	395	Formats mathematical text for the nroff , troff and troff commands.
fmt	428	Formats mail messages prior to sending.
greek	499	Converts output for a Teletype Model 37 work station to output for other work stations.
hp	514	Handles special functions for the HP2640- and HP2621-series terminals.
mm	663	Displays or checks documents formatted with Memorandum Macros.
mmt	666	Typesets documents, manual pages, view graphs, and slides.
newform	686	Changes the format of a text file.
nl	701	Numbers lines in a file.
nroff, troff	709	Formats text for printing devices.
ptx	794	Generates a permuted index.
tbl	1053	Formats tables for the nroff , troff and troff commands.
tc	1056	Simulates phototypesetter output for a Tektronix 4014 work station.
vrml2rtfont	1205	Converts a standard AIX font file to RT rtx font format.
300	1262	Handles special line-motion functions for DASI 300/300s work stations.
4014	1264	Formats a full page 66-line screen display for a Tektronix 4014 work station.
450	1265	Handles special line-motion functions for the DASI 450 work station.

Working with Graphics

gdev	460	Provides graphical device routines and filters.
ged	463	Displays, makes, and edits graphical files on Tektronix 4010 terminals.
gend	475	Provides a general graphics device backend.

graph	494	Draws a graph.
graphics	497	Accesses graphical and numerical commands.
gutil	508	Provides graphical utility programs.
spline	972	Interpolates smooth curve.
stat	984	Provides tools for analyzing numerical data.
toc	1074	Provides graphical table of contents routines.
tplot	1079	Produces plotting instructions for a particular work station.

Protecting Files with File Permissions

chgrp	156	Changes the group ownership of a file or directory.
chmod	160	Changes permission codes.
chown	169	Changes the owner of files or directories.
groups	506	Displays your group membership.
li	567	Lists the contents of a directory.
ls	595	Displays the contents of a directory.
umask	1110	Displays and sets file-creation permission code mask.

Backing Up and Restoring Files

ar	55	Maintains portable libraries used by the linkage editor.
backup	88	Backs up files.
cpio	205	Copies files into and out of archive storage and directories.
lorder	591	Finds the best order for member files in an object library.
pack	730	Compresses files.
restore	826	Copies back files created by the backup command.
shlib	939	Creates a shared library.
tar	1048	Manipulates archives.

Working with Data

The following groups of commands allow you to use various data tools.

Using Data Tools

banner	94	Writes character strings in large letters to standard output.
cal	132	Displays a calendar.
calendar	134	Writes reminder messages to standard output.
ctab	257	Produces a collating table.

echo	369	Writes its arguments to standard output.
tr	1083	Translates characters.
units	1119	Converts units in one measure to equivalent units in another measure.

Performing Calculator Functions

bc	97	Provides an interpreter for arbitrary-precision arithmetic language.
dc	295	Provides an interactive desk calculator for doing arbitrary-precision integer arithmetic.
factor	416	Factors a number.

Communicating on the System

The following groups of commands allow you to use mail and message facilities on the system.

Sending Messages and Notices

confer	189	Provides an online conferencing system.
mesg	642	Permits or refuses write messages.
news	691	Writes system news items to standard output.
wall	1208	Writes a message to all logged-in users.
write	1225	Sends messages to other users on the system.

Using Mailboxes

bellmail	104	Sends messages to system users and displays messages from system users.
fmt	428	Formats mail messages prior to sending.
mail, Mail	608	Sends and receives mail.
mailstats	623	Displays statistics regarding mail traffic.
sendmail	897	Routes mail for local or network delivery.

Using the MH (Message Handling) Package

ali	48	Lists mail aliases and their addresses.
anno	50	Annotates messages.
ap	53	Parses and reformats addresses.
burst	129	Explodes digests into messages.
comp	185	Composes a message.

conflict	196	Searches for alias and password conflicts.
dist	336	Redistributes a message to additional addresses.
dp	352	Parses and reformats dates.
folder	429	Selects and lists folders and messages.
folders	433	Lists folders and messages.
forw	438	Forwards messages.
inc	518	Incorporates new mail.
install-mh	527	Initializes the MH environment.
mark	637	Creates, modifies, and displays message sequences.
mhl	643	Produces formatted listings of messages.
mhmail	646	Sends or receives mail.
mhpath	648	Prints full path names of messages and folders.
msgchk	675	Checks for messages.
msh	677	Creates an MH shell.
next	694	Shows the next message.
packf	733	Compresses the contents of a folder into a file.
pick	748	Selects messages by content, and creates and modifies sequences.
post	758	Delivers a message.
prev	765	Shows the previous message.
prompter	778	Invokes a prompting editor.
rcvdist	808	Sends a copy of incoming messages to additional recipients.
rcvpack	810	Saves incoming messages in a packed file.
rcvstore	812	Incorporates new mail from standard input into a folder.
rcvtty	815	Notifies the user of incoming messages.
refile	817	Files messages in other folders.
repl	821	Replies to a message.
rmf	839	Removes a folder.
rmm	841	Removes messages.
scan	871	Produces a one line per message scan listing.
send	893	Sends a message.
show	942	Shows messages.
slocal	954	Processes incoming mail.
sortm	965	Sorts messages.
spost	978	Delivers a message.
vmh	1203	Invokes a visual interface for use with MH commands.
whatnow	1215	Invokes a prompting interface for draft disposition.
whom	1222	Lists the addresses of the proposed recipients of a message and verifies the addresses.

Communicating with Other Systems

connect	198	Establishes a connection to a remote system.
ct	254	Dials an attached terminal and issues a login process.
cu	263	Connects directly or indirectly to another UNIX system.
Cvt	274	Moves old UUCP files into new BNU directories.
sum	1029	Displays the checksum and block count of a file.
uuccheck	1137	Checks for files and directories required by BNU.
uuccheck	1137	Checks for files and directories required by BNU.
uucico	1139	File transport program for the BNU facility.
uucleanup	1141	Deletes selected files older than a specified number of hours from the BNU spool directory or a named directory.
uucp	1144	Copies files from one AIX system to another AIX system.
uulog	1149	Provides information about uucp and uux activities on a system.
uuname	1151	Provides information about other systems accessible to the local system.
uucpadm	1133	Enters basic uucp configuration information.
uusched	1156	Schedules work for the BNU file transport program.
uustat	1158	Reports the status of and provides rudimentary job control for BNU commands.
uuto	1162	Copies public files from one AIX system to another AIX system, with local system control of file access.
uutry, Uutry, uukick	1164	Contacts a remote system with debugging turned on.
uux	1166	Runs a command on another AIX system.
uuxqt	1172	Executes remote command requests.

Developing Programs

The following groups of commands are for use in programming.

Programming in Assembler

as	61	Assembles a source file.
sdb	875	Provides a symbolic debugger for C and assembler programs.

Programming in C

cb	139.	Puts C source code into a form that is easily read.
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cc	140	Compiles C programs.
cflow	154	Generates a C flow graph of external references.
cpp	210	Performs file inclusion and macro substitution on C Language source files.
cxref	279	Creates a C program cross-reference listing.
factor	416	Factors a number.
ipcrm	537	Removes message queue, semaphore set or shared memory identifiers.
m4	603	Preprocesses files, expanding macro definitions.
lex	562	Generates a C Language program that matches patterns for simple lexical analysis of an input stream.
lint	577	Checks C programs for potential problems.
regcmp	820	Compiles patterns.
sdb	875	Provides a symbolic debugger for C and assembler programs.
tic	1067	Translates terminfo files from source to compiled format.
yacc	1237	Generates a LR(1) parsing program from input consisting of a context-free grammar specification.

Programming in Miscellaneous Languages

bc	97	Provides an interpreter for arbitrary-precision arithmetic language.
bs	118	Compiles and interprets modest-sized programs.
ctags	261	Makes a file of tags to help locate objects in source files.
m4	603	Preprocesses files, expanding macro definitions.
sno	956	Provides a SNOBOL interpreter.

Programming in Shell

basename	95	Returns the base name of a string parameter.
cron	220	Runs commands automatically.
crontab	222	Submits a schedule of commands to cron .
cs	225	Interprets commands read from a file or entered from the keyboard.
echo	369	Writes its arguments to standard output.
env	393	Sets the environment for execution of a command.
expr	412	Evaluates arguments as expressions.
find	422	Finds files matching expression.
getopt	485	Parses command line flags and parameters.
line	574	Reads one line from the standard input.
nice	699	Runs a command at a different priority.
nohup	707	Runs a command without hangups and quits.
open	728	Opens a virtual terminal.
sh	913	Interprets commands read from a file or entered at the keyboard.

sleep	952	Suspends execution for an interval.
tee	1060	Displays the output of a program and copies it into a file.
test	1064	Evaluates conditional expressions.
time	1068	Times the execution of a command.
true	1099	Returns an exit value of zero.
xargs	1232	Constructs argument lists and runs commands.

Working with Messages

dspcat	357	Displays all or part of a message catalog.
dspmsg	359	Displays a selected message from a message catalog.
gencat	470	Creates and modifies a message catalog.
gettext	488	Extracts message/insert/help descriptions.
mkcatdefs	651	Preprocesses a message source file.
puttext	796	Updates an output file that contains message/insert/help descriptions.
runcat	852	Pipes data from mkcatdefs to runcat .

Debugging Programs

crash	215	Examines system images.
dbx	284	Provides a tool to debug and run programs under AIX.
dump	366	Dumps selected parts of an object file.
dumpfmt	368	Formats the VRM dump file.
od	723	Writes the contents of storage to the standard output.
prof	773	Displays program profile data.
adb	33	Provides a general purpose debugger.
sdb	875	Provides a symbolic debugger for C and assembler programs.
time	1068	Times the execution of a command.
timex	1069	Times a command, and reports process data and system activity.
xdbx	1236	Provides an overlaying X-Window application for the dbx symbolic debugger.

Managing Source Programs Using the Source Code Control System (SCCS)

admin	41	Creates and initializes SCCS files.
cdc	152	Changes the comments in a Source Code Control System (SCCS) delta.
comb	181	Combines SCCS deltas.
delta	310	Creates a delta in a Source Code Control System file.
get	477	Creates a specified version of a Source Code Control System (SCCS) file.
help	513	Provides information about a Source Code Control System (SCCS) message or command or about certain non-SCCS commands.

prs	781	Displays a Source Code Control System (SCCS) file.
rmDEL	837	Removes a delta from a Source Code Control System (SCCS) file.
sact	862	Displays current Source Code Control System (SCCS) file editing status.
sccsdiff	874	Compares two versions of a Source Code Control System (SCCS) file.
unget	1116	Cancels a previous get command.
val	1175	Validates Source Code Control System (SCCS) files.
what	1213	Displays identifying information in files.

Managing Object Files

ar	55	Maintains portable libraries used by the linkage editor.
as	61	Assembles a source file.
dump	366	Dumps selected parts of an object file.
ld	557	Links object files.
lorder	591	Finds the best order for member files in an object library.
make	625	Maintains up-to-date versions of programs.
nm	705	Displays the symbol table of an object file.
prof	773	Displays program profile data.
size	949	Displays the section sizes of common object files.
strip	1017	Removes symbol and line number information from a common object file.
touch	1077	Updates the access and modification times of a file.
tsort	1102	Sorts an unordered list of ordered pairs (a topological sort).

Playing Games

The following groups of commands allow you to play games on the system.

arithmetic	59	Tests arithmetic skills.
back	87	Plays backgammon.
bj	117	Plays blackjack.
craps	214	Plays craps.
fish	427	Plays the card game Go Fish.
fortune	437	Tells a fortune.
hangman	512	Plays hangman, the word-guessing game.
moo	668	Plays a number-guessing game.
number	721	Displays the written form of a number.
quiz	803	Tests your knowledge.
ttt	1104	Plays tic-tac-toe.
turnon	1107	Turns on execute permission for games.
wump	1231	Plays the game Hunt the Wumpus.